

Laboratory statement on Homeland Security proposal

“Our Lab has been cited in a number of media stories today relative to President Bush’s proposal to create a new Homeland Security Cabinet-level agency. We have not yet received any official details on this proposal.

“Over the past few years, our Lab and our sister NNSA laboratories have played important roles in the war on terrorism, and we look forward to enhancing our future contributions to this cause. At the same time, we remain committed to executing our core responsibilities of Stockpile Stewardship and our other federal programs. We will continue to strongly support the president and the country in all of these critical national security areas.”

C. Bruce Tarter, Director

UC Regents’ Committee on Oversight to gather at Lab for program overviews

A committee of the UC Board of Regents will meet at the Laboratory Wednesday, June 12. The Regents will hold their meeting at the Public Affairs Press Room, Trailer 6575, located near the East Gate entrance and Visitors Center.

The Regents Committee on Oversight of the Department of Energy Laboratories periodically meets at the Lab, as well as Lawrence Berkeley and Los Alamos national laboratories. During their visit, the Regents will receive an overview of the Lab, ASCI, national security and the National Ignition Facility. The Regents also will tour NIF,

See REGENTS, page 8

Lab to undergo inspection of safety management

Integrated Safety Management, the Lab’s safety management program, will undergo an external audit beginning next week.

“We’ve made a big effort to get ISM into place and get it running smoothly,” Associate Director for Safety, Security and Environmental Protection Dennis Fisher said. “We’ve been working with it for a few years now, so the process is maturing and getting better. This review will provide important feedback on how we are doing.”

The audit, which will occur June 10-20, will focus on Labwide implementation of the ISM program. A team from the Department of Energy’s Office of Independent Oversight and Assurance Inspection will be on site during that time to gather data.

“A team of approximately 25 people will

See ISM, page 7



PHOTO COURTESY OF JAY SOLMONSON/TRI-VALLEY HERALD

Michael R. Anastasio, left, was named next director of the Lab. Currently deputy director for Strategic Operations, he will replace Director Bruce Tarter, right, effective July 1.

Anastasio to take the Lab’s lead

UC, NEWSLINE STAFF REPORTS

Michael R. Anastasio has been named the next director of the Laboratory, the University of California Board of Regents announced Tuesday. Anastasio, currently deputy director for Strategic Operations at the Lab and a research scientist nationally recognized for his leadership in the design and safe stewardship of nuclear weapons, will take office on July 1, replacing Director Bruce Tarter.

In December, exactly seven years after taking the job, Tarter announced his intention to step down when a new director is in place.

Acting on the recommendation of UC President Richard C. Atkinson, the Regents unanimously appointed Anastasio the ninth director of the Laboratory during a special meeting conducted by telephone conference call.

“This was a very competitive search, with many fine candidates,” Atkinson said. “Mike Anastasio emerged as the right person for this very important position. Throughout a 22-year career at Lawrence Livermore, he has distinguished himself as both a brilliant scientist and skilled administrator with the right combination of theoretical and practical experience to maintain the Laboratory’s historic place on the cutting edge of science.”

Anastasio, 53, began his Lab career focused on the design, evaluation and understanding of nuclear systems. Recently, he has been a leader in the national Stockpile Stewardship Program (SSP) designed to sustain the safety, security and reliability of America’s nuclear weapons stockpile.

He also has served in Washington as a

See ANASTASIO, page 8

New intranet portal means Grapevine will go offline

Now that the content in the Grapevine has been moved to My- LLNL, the Laboratory’s new intranet portal, the Grapevine Web page will be shut down. Starting July 15, you will be redirected from the Grapevine to the corresponding MyLLNL page.

MyLLNL is available to anyone at LLNL with access to the Laboratory’s intranet, and once

logged in, you can customize your portal pages to show the information you want to see.

For more information, see the Help Center (<https://www-r.llnl.gov/portal/help/index.html>), where you can learn about portal features and how to customize your portal display.

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Harry Reynolds*

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*Lasers ignite
quest for fusion*

— Page 3

*Lab greenhorns
ride the rodeo*

— Page 8



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 4

Monday
10

The **LLESA New Hires Networking Group** (NHNG) invites all employees to a brown-bag presentation about Yosemite

National Park at noon in the Bldg. 361 auditorium. The NHNG is a group of employees that helps new arrivals learn about the Lab, the community and the region by sharing information and creating support networks. They have invited representatives of the Yosemite Fund, a non profit organization, to present their award-winning film, "The Spirit of Yosemite." Contact: Terry Brugger, 4-4992, or Jeff Johnson 4-4644.

...

A representative from **Fidelity Investments** will be on-site to meet with employees today and Tuesday. Fidelity Investments are available to UC's 403(b) participants in addition to the UC-managed investment funds. To make an appointment, contact Fidelity at 1-800-642-7131. When calling, be sure to specify you are an LLNL employee.

Thursday
13

University of Michigan professor Peter Adriaens will present two seminars at the Lab. The first, "Rapid Microbial Sensing

for Environmental Health Applications Using Flow Cytometry," takes place at 3 p.m. Thursday. The second talk, "Environmental Forensics for Chemicals and Microbes Using Polytopic Vector Analysis," takes place at 10 a.m. Friday, June 14. Both talks will be given in the Bldg. 543 auditorium. All employees are invited to attend. Contact: Staci Kane, 2-7897, or Cheryl Kuks, 2-1243.



There is still space remaining in the June 19 **Intermediate Investment Planning Workshop**. This half-day workshop is designed for those who

wish to gain a more in-depth analysis of investment modeling and asset allocation theory. Cost is \$45. To register, go to <http://www.llnl.gov/jobs/benefits> and click on workshop registration.

...

The **LLNL Retirees Travel Slide Group** will meet on Tuesday, June 25, at 2 p.m. at the Livermore Library meeting room for a presentation on "Western Central Asia to the Caucasus: Uzbekistan, Tajikistan, Turkmenistan, Azerbaijan, Georgia and Armenia," by Stephen and Arlene Chin.

...

As part of the Lab's 50th anniversary celebration, **Defense & Nuclear Technologies** is hosting a three-day meeting, June 24-26, entitled, "Technical Innovation in Weapons Research." Presentations will focus on technical achievements, along with global political implications and military applications. All DNT staff and supporting program staff with SP access are invited to attend. Talks will last approximately 45 minutes and audience participation is encouraged. Contact: Jennifer Petersen, 4-3160, for more information.

Retired AD remembered for innovation

Harry L. Reynolds

Harry L. Reynolds, a retired Lab associate director who led design, development and testing in the weapons program during a Lab career that spanned more than 25 years, died May 26. He was 77.

A native of Port Chester, N.Y., Reynolds earned his bachelor's degree in physics from Rensselaer Polytechnic Institute and his Ph.D. in physics from the University of Rochester.

He came to the Laboratory in 1955 from Oak Ridge National Laboratory, where he pioneered in the field of heavy ion nuclear physics research. During his first decade at Livermore, he led the Rover Project, which focused on designing a nuclear reactor-powered rocket engine. He and his group of about 200 employees then moved on to the Pluto Project, which ended with the successful design, fabrication and test of a 500 megawatt nuclear ramjet propulsion reactor.

Colleagues from those early days remember him as a strong, demanding, fair, hands-on leader, who cared deeply about the people who worked around him. As Joe Behne, retired Livermore test director at the Nevada Test Site, recalled, "You didn't have to wonder what Harry expected of you — he would tell you."

In 1965, Reynolds left the Lab to work at NASA on the development of the Lunar Excursion Module. He returned to Livermore six months later, confessing to a local newspaper reporter at the time that he "just couldn't stand living in Texas."

He was named deputy associate director and in 1967, was promoted to associate director responsible for the underground nuclear weapon test program. In this capacity, he oversaw instrumentation, data analysis and field operations in Nevada, Alaska and the Pacific.

"Harry was an outstanding technical leader. He was very innovative and resourceful. He made a number of important innovations in his field," recalled Mike May, who was director of the Lab from 1965-71. "I always thought he was one of the key leaders at the Lab when I was director. I thought

very highly of him."

AD George Miller remembered Reynolds as a dynamic and creative leader, whose innovation led to new designs and better business techniques, but who was also highly supportive of the young managers in his program.

In 1970, Reynolds was named associate director for Nuclear Design and was responsible for the

scientific and engineering design of nuclear weapons. From 1973-80, he served as associate director for Nuclear Explosives, managing the Lab's Nuclear Weapons Research and Development Program, which included military systems analysis, basic research in physics, materials and engineering, high explosive design and testing, and planning and analysis of full-scale weapon testing.

Reynolds left the Laboratory in 1981 to serve as deputy associate director for Advanced Weapons Tech-

nology at Los Alamos National Laboratory. While there, he managed Department of Defense-funded non-nuclear programs and established and managed a group to generate innovative concepts and ideas concerning defense issues.

Reynolds joined Rockwell International Corp. in 1985 as director of Advanced Concepts at its Strategic Defense Center. He retired from Rockwell in 1994.

During his many years in Livermore, Reynolds was involved in the community, serving on the board of directors at Valley Memorial Hospital and as regional group vice chairman for the Sierra Club. He was an outdoors enthusiast, enjoying long distance running, skiing and mountaineering.

Reynolds is survived by his wife of 51 years, Katherine of Lafayette; daughters, Patricia Reynolds Cabral of Paradise, and Margaret Reynolds Neufeld of Portland, Ore.; and grandchildren Rebecca and Thomas Neufeld.

A private memorial service was held. Contributions in his memory may be made to the National Parkinson Foundation, 1501 NW 9th Ave./Bob Hope Lane, Miami, FL, 33136.

IN MEMORIAM



Harry L. Reynolds

RETIREMENT

Jim Jackson

Jim Jackson, department head of Hazards Control, is retiring after 20 years combined service at the Lab and Los Alamos.

A retirement reception in his honor is scheduled for Tuesday, June 25, from 3-5:30 p.m. at the LLNL Firehouse, Bldg. 323.

Cost is \$7 and includes a gift and refreshments. RSVP by June 19 to Theresa McCollom, 4-5147 or mccollom1@llnl.gov, or Denise Anderson, 2-5129 or anderson118@llnl.gov.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

Contacts:

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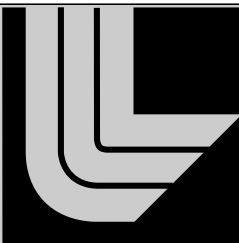
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1952 – 2002
MAKING HISTORY, MAKING A DIFFERENCE



Using lasers in the quest for fusion energy

This is an ongoing feature highlighting the Lab’s 50-year history. This week we take a look at the year 1974.

The Laser program at Livermore was created to explore the possibility of achieving energy gain through inertial confinement fusion (ICF). In 1974, using about 100 pounds of laser glass, the Laboratory built its first ICF laser, named Janus because it had two beams, and conducted its first laser fusion experiments.

The following year, the one-beam Cyclops laser demonstrated significant compression of targets. The two-beam Argus was built in 1976, and the 20-beam Shiva began operation in 1977, delivering 10 kilojoules of energy in a billionth of a second. In 1983, the Novette laser came on line and was used to demonstrate the efficient laser light-target coupling and to create the first soft-x-ray laser. The next year, construction was completed on the Nova laser, which was 10 times more powerful than Shiva.

Six large fusion lasers were engineered and built in 10 years. The next decade of ICF research was devoted to studying and demonstrating the physics required for fusion ignition and gain. The work prepared the Laboratory to take the next major step, construction of the National Ignition Facility.



The first Lawrence Livermore National Laboratory ICF laser, the two-beam Janus laser.

1974 fusion ENERGY

Around the Lab

Early Diamond Turning Machine
The 1974 machine was the forerunner of the Large Optics Diamond Turning Machine (LODTM), the most accurate machining tool in the world — capable of working to tolerances of less than 1 millionth of an inch. The LODTM was dedicated in May.



Around the nation

- Threshold Test Ban Treaty signed
- Nixon resigns, succeeded by Ford
- Congress strengthens Freedom of Information Act over presidential veto

Around the world

- India tests peaceful nuclear device
- Turkish forces invade Cyprus

in other
NEWS

Other news around
the Lab, the nation
and the world.

For more of the Lab’s rich history, check out the Timeline, located at: <http://www.llnl.gov/timeline/>

Save these dates!

AUG. 1ST, 2ND 2002

SCIENCE DAYS

Join Lab employees as they discuss the Lab’s history and present the status of programs in the areas of bio defense, climate modeling, lasers and energy, astrophysics and more.



NEWS YOU CAN USE

Plenty of summer activities for visiting students, faculty

Starting Wednesday and continuing through the summer, the Lab's Institutional Education Committee (IEC) is offering a wide selection of educational and social activities for student interns and visiting faculty.

Registration for individual activities and the full schedule can be accessed at <http://education.llnl.gov/sbb>.

Highlights include five tours, three technical talks, a series of panel discussions on "School to Career," a series of workshops on the research process, a Labwide student poster session and a book signing session with Director Emeritus Edward Teller.

The schedule kicks off on Wednesday with a talk and Lab tour by Steve Asztalos on "Searching for Dark Matter Axions at LLNL," at 10 a.m. in Bldg. 436. Participation is limited to the first 20 people who sign up.

Feedback from last summer indicated an interest in more tours, said Barry Goldman, chairman of the IEC and college internship manager for the Science & Technology Education Program. As a result, this summer's schedule includes five tours and three technical talks.

"Since tours can only accommodate a limited number, registration is required on a first-come first-served basis," Goldman noted.

The popular GRE practice test will be back with a strategy session provided by Kaplan Associates. Since the GRE has switched to a computerized exam, Kaplan staff will share several techniques for improving GRE scores. Students who prefer to prepare for the GRE at their own pace, can download a copy of the GRE PowerPREP off the Student Bulletin Board Website.

There will be a series of workshops covering the

research process. "While a summer research experience at LLNL can be challenging and rewarding, this workshop helps to raise questions about the research process and encourages the participants to discuss with their researchers what that process is for their respective project," Goldman said.

Returning for the fourth year through a combined effort with Sandia, Colette Patt, director of the UC Berkeley's Science Student Diversity Programs, will discuss the myths of applying and getting into graduate school.

Other events and highlights of the summer include a series of panels focusing on "School to Career" discussions:

- "Graduate Opportunities: Advanced Education, Fellowships and Scholarships" on June 20 will allow participants to question panelists who sit on the selection committees of their respective and prestigious foundations.

- "Graduate Research at University of California Campuses" on July 12 will allow students to learn about and engage vice chancellors from a number of UC campuses regarding graduate research performed on their campuses.

- "Young Researchers: New Careers, New Challenges" on July 26 will feature younger career researchers who have already been successful in their career and who can share insights into the benefits and pitfalls they experienced.

Additionally, a book signing session has been scheduled on Aug. 7 with Director Emeritus Edward

Teller, who recently published his memoirs.

Wrapping up the summer will be a Labwide poster symposium, providing a forum for summer students to present technical research to Lab employees.

"The usefulness of each summer activity to the students depends on the individual interests of the student, but all of the programs would be well worth anyone's participation, not just students or faculty," Goldman said. "All of the programs are informative, especially with respect to decisions that students must make to realize their education and career goals."

Students are encouraged to network with each other via the electronic Student Bulletin Board (SBB), located at <http://education.llnl.gov/sbb>, which includes a link to Students On-the-Go where students post their own social or weekend activities. The bulletin board also features a participant directory where students can find other students with similar interests or who are attending schools they might be considering.

Another useful feature of the SBB is the Student News List. This mailing list is open to students and faculty participating in summer programs, internships and other activities at LLNL. Subscribers are encouraged to use the list to network while at the Lab and to update their email addresses when they leave. "Whether looking for others to meet for a lunch, volleyball, ultimate Frisbee, walking partners or running, this is an excellent way to network," Goldman noted.

Students can contact Goldman at 2-5177 or goldman1@llnl.gov, with any questions or comments.

Technical Meeting Calendar

Friday
7

ELECTRONICS ENGINEERING

"The Impact of Adoption Subsidies on R&D Incentives," by Leon E. Clarke, LLNL. 9:30 a.m., Bldg. 131, room 1645 (cleared area). Contact: Steve Azevedo, 2-8538.

Monday
10

CHEMISTRY & MATERIALS SCIENCE

"Stochastic Dislocation Dynamics Under Creep Conditions In Metals," by Masato Hiratani, Washington State University. 10 a.m., Bldg. 235, gold room (uncleared area). Contact: Vasily Bulatov, 3-0124, or Roberta Marino, 3-7865.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Higher Order Whitney Forms" by Ralf Hiptmair, Universitaet Tuebingen. 10 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Dan White (CASC) 2-9870, or Leslie Bills 3-8927

Tuesday
11

H DIVISION

"Some Applications of Fluorescent Nanocrystal-DNA Conjugates," by Daniele Gerion, Lawrence Berkeley National Laboratory. 10 a.m., Bldg. 319, room 205 (badge required). Contacts: Giulia Galli Gygi, 3-4223 or Karen Lema-Crowe, 2-3760.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Multigrid for Eddy Current Computation," by Ralf Hiptmair, Universitaet Tuebingen. 10 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Dan White (CASC) 2-9870, or Leslie Bills 3-8927.

Wednesday
12

MATERIALS RESEARCH INSTITUTE

"Science in the Extreme: High Pressure Research at the ALS," by Simon Clark & Howard A. Padmore, Lawrence Berkeley National Laboratories. 3:30 p.m., Bldg. 219, room 163 (badge required). Contacts: Joe Zaig, 3-4428, or Joanna Allen, 2-0620.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Multi-Implicit Methods for Advection-Diffusion-Reaction and Related Problems," by Michael Minion, University of North Carolina, Chapel Hill. 9:30 am, Bldg. 451, room 1025 (uncleared area). Contacts: David Brown (CASC) 4-3557, or Leslie Bills, 3-8927.

Thursday
13

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Toward the Multiscale Numerical Solution of Chemically Reacting Systems" by Linda Petzold, University of California, Santa Barbara. 2 p.m., Bldg. 551W, room 1400 Del Valle Room. Contacts: Radu Serban (CASC) 4-4852, or Leslie Bills 3-8927.

PHYSICS & ADVANCED TECHNOLOGIES

"Recent Neutron-Induced Gamma-Ray Cross-Section Measurements With GEANIE," by Nikolaos Fotiadis, LANL. 1:30 p.m., Bldg. 211, room 227 (badge required). Contacts: John Becker, 2-9676, or Pat Smith, 2-0920.

ELECTRONICS ENGINEERING

"From 'C' to Circuits in One Day: FPGA Design and Rapid Prototyping," by Virgil N. Kohlhepp III, LLNL. 10:30 a.m., Bldg. 141, room 1104, Bay 1 Conference Room (uncleared area). Contact: Steve Azevedo, 2-8538.

ENVIRONMENTAL RESTORATION

"Rapid Microbial Sensing for Environmental Health Applications Using Flow Cytometry," by Peter Adriaens, University of Michigan. 3 p.m., Bldg. 543 auditorium (uncleared area). Contacts: Staci Kane, 2-7897, or Cheryl Kuks, 2-1243.

Friday
14

ELECTRONICS ENGINEERING

"One-Step Porous Polysilicon: Development and MEMS Applications," by George Dougherty, Ph.D., Berkeley Sensor and Actuator Center, University of California, Berkely. 9 a.m., Bldg. 153, room 2010. Contact: Julie Sedillo, 3-3506.

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"Photoevaporated Gas Flows in Astronomical Nebulae," by Robin Williams, Cardiff University. Noon, Bldg. 319, room 205 (badge required). Contacts: Adam Stanford, 3-6013, Rosemarie Cortez-Kudo, 3-0621.

ENVIRONMENTAL RESTORATION

"Environmental Forensics for Chemicals and Microbes Using Polytopic Vector Analysis," by Peter Adriaens, University of Michigan. 10 a.m., Bldg. 543 auditorium (uncleared area). Contacts: Staci Kane, 2-7897, or Cheryl Kuks, 2-1243.

ELECTRONICS ENGINEERING

"A Risk-Efficient Approach to Project Success," by Edouard Kujawski, interview candidate. 9:30 a.m., Bldg. 141, room 1104 (uncleared area). Contact: Steve Azevedo, 2-8538.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

NEWS OF NOTE



Hecker details 'physicist's dream, engineer's nightmare'

By Don Johnston
NEWSLINE STAFF WRITER

Few discoveries in the history of modern science have provoked the depth of emotion that followed the discovery and subsequent development of plutonium, said Sig Hecker, former director of Los Alamos National Laboratory, in an address to Livermore employees.

"It came to symbolize everything nuclear," Hecker said in the opening remarks of his Director's Distinguished Lecturer Series talk last week. "No other element in the periodic table has had that kind of burden to bear."

From the time of plutonium's discovery in 1941 by a UC Berkeley team, which included Glenn Seaborg, to the Comprehensive Test Ban Treaty in 1995, emotions have run the gamut from the hope of cheap, bountiful energy to the despair of the destruction of humankind, he said. And the debate continues.

Plutonium (Pu) has been reviled for being a "man-made" element, though Hecker pointed out that nature produced plutonium in the blow-off from supernovae. It was first produced on earth 2 billion years ago in a natural reactor at Oklo, Gabon, Africa. Sufficient quantities of uranium-235 had accumulated

to fission 10 tons of uranium and produce 4 tons of plutonium-239. However, because of its relatively short half-life of 24,000 years, this natural plutonium had all but disappeared by the time of the Berkeley discovery.

The 239 isotope of plutonium became the material of choice for nuclear weapons because of its fission properties, Hecker noted, though it is plutonium's electronic structure that makes it a most "complex and fascinating" element.

Scientists have long been fascinated by its unique and changeable properties, Hecker said, describing the element as a "physicist's dream" and an "engineer's nightmare."

With little change in conditions, plutonium can change its density as much as 25 percent. In substance, plutonium can be as "brittle as glass or as malleable as aluminum." Pu expands when it solidifies, and when its silvery machined surface tarnishes, it produces nearly every color in the rainbow.

In addition, plutonium ages from the outside in and the inside out. It reacts vigorously with its envi-



Sig Hecker

ronment, particularly with oxygen, hydrogen and water, thereby degrading its properties from the surface to the interior over time. And plutonium's continuous radioactive decay causes self-irradiation damage that can fundamentally change its properties over time.

The discovery of plutonium using the UC Berkeley cyclotron and its rapid development "under unbelievable time pressures" as the material of choice for an atomic bomb were fueled by fear of Adolf Hitler and the Third Reich.

Hecker, a metallurgist, detailed many of the challenges scientists and engineers in the

Manhattan Project faced in developing the atomic bomb, not the least of which was understanding the changeable nature of plutonium.

"The dropping of atomic bombs on Hiroshima and Nagasaki caused a discontinuity in the affairs of mankind. There was no more global war," Hecker said. "But with 100,000 nuclear weapons built during the Cold War, it is at best an uneasy peace."

The Cold War arms race began when the former Soviet Union surprised the west with its first test of a nuclear device, similar to the U.S. design, Aug. 29, 1949. After the collapse of the Soviet Union, Hecker had the opportunity to ask Soviet scientist Yuli Khariton why they had opted for the U.S. design. Khariton replied "because we knew yours worked and we wanted to live."

The Soviet scientists worked under fear of reprisal from Lavrenti Pavlovich Beria, the powerful head of the Soviet secret police under Stalin.

The quality of work on plutonium made a "quantum" leap with international competition that began under President Eisenhower's Atoms for Peace Program seeking peaceful uses for atomic energy.

"Because of Atoms for Peace, the science of plutonium was being done internationally," Hecker said. "International cooperation and competition enhanced our understanding of plutonium."

"Secrecy itself does not produce the best science," he said, adding that there needs to be a balance between secrecy and security. But international cooperation did much to shed light "on the peculiar properties of plutonium."

Another milestone in the history of plutonium and nuclear weapons was the 1986 summit between President Reagan and Soviet leader Mikhail Gorbachev in Reykjavik, Iceland, where they vowed to rid the world of nuclear weapons, Hecker said. "Our world changed."

Following the Reykjavik summit, major arms control agreements followed both before and just after the dissolution of the Soviet Union on Dec. 25, 1991. Weapons dismantlement, the security of nuclear weapons and materials, and the disposition of nuclear materials became major issues for both U.S. and Russia.

The U.S. decision to honor the Comprehensive Test Ban Treaty, though the United States has not ratified the treaty, marked another change as did the annual certification of the nuclear stockpile starting in 1995. "Annual certification drives plutonium requirements today," Hecker said.

Certification and the absence of nuclear testing have given rise to a new set of challenges. "We must either requalify or remanufacture pits," he said. "Both routes are very challenging."

Re-qualifying is a particular challenge because "the aging of plutonium is not well understood," Hecker said.

He ended his talk with a slide used by Vic Reis, former DOE assistant secretary for Defense Programs, showing the directions nuclear technology could go.

"Our mission is to make sure we go in the direction of peace and prosperity," Hecker said.

Physics & Advanced Technologies

THEN and NOW

The Physics and Advanced Technologies Directorate cordially invites you to attend its "Then and Now Week" presentations and social events, June 24-28, 2002 celebrating LLNL's 50th Anniversary

All presentations are in Building 543 Auditorium
Refreshments are in Adjacent Areas

Monday, June 24, 2002

"Retrospective and Speculation on Magnetic Fusion Energy R&D at LLNL," Bick Hooper 1:30-3:00 PM

Tuesday, June 25, 2002

- Co-sponsored with NIF Programs Directorate

"Retrospective and Speculation on Inertial Confinement Fusion R&D at LLNL," John Lindl 10:30 AM - 12:00 N

Wednesday, June 26, 2002

"Retrospective and Speculation on Astrophysics R&D at LLNL," Claire Max 10:30 AM - 12:00 N

Thursday, June 27, 2002

- Co-sponsored with NIF Programs Directorate

"Retrospective and Speculation on X-ray Laser R&D at LLNL," Dennis Matthews 10:30 AM - 12:00 N

Friday, June 28, 2002

- PAT Luminaries Day

"A Perspective on the Future of Physics," Bob Laughlin, Stanford U. 9:00 AM

"Future of Computing," Peter Kogge, U. of Notre Dame 10:00 AM

"Future of Nuclear Arms Control Policy," Mike May, Stanford U. 11:00 AM

Lunch — Building 543 Area 12:00 N

"Future Global Terrorist Threats," Jay Davis 2:00 PM

"Future of Fusion Energy," John Nuckolls 3:00 PM

"Future Challenges in Astrophysics," Charles Alcock, U. of PA 4:00 PM

Reception — Building 543 Area 5:00 PM

Adjourn 6:00 PM

Contact: Ralph Jacobs, 4-4545

1952-2002



CLASSIFIED ADS

AUTOMOBILES

2000 - Honda Civic Ex, Automatic, 2 dr, sunroof, pl, pw, tinted, custom rims/tires, CD, excellent condition, 27k, \$14,500 OBO 209-832-2862

1988 - Chevy 1500 short bed step side Silverado 5.0L V8, 4WD, A/C, P/S, P/W, bed liner, AM/FM cassette. Well maintained, runs great. 112K miles \$6,000. 925-447-2425

1997 - Saturn SL2 Sedan, 4D, Manual Trans, AC, moon roof, rear spoiler, PS, PW, PDL \$4,500 obo 510-339-9356

1988 - Lincoln Town Car, Mechanical Good, appearance exc. 155K, loaded, dependable \$2200.00 209-839-8131

1996 - Mustang Cobra Jet, 5-speed manual transmission w/low mileage, excellent condition, must see, \$18,000 925-997-0604

1994 - Chrysler LeBaron GTS Conv. Excellent cond., new tires, Alpine CD, 80Kmi. \$4,000. 925-443-6268

1990 - Geo Prizm hatchback, red, 114K miles, 5sp AC/PS/PL, Runs very well. Original owner. \$1400 209-832-9300

1990 - Jeep Cherokee Limited, 124K mi., fully loaded, very good condition, \$4600 O.B.O. 925-240-9497

1993 - Voyager van, auto, air, V6, runs well. \$3200 209-823-7623

1985 - Mazda Rx7/GSL/SE. Last of this model. New stereo, leather,two tops, 127k mi. Runs great. Asking \$3500/BO 925-447-3283

1993 - Infinity J30t, AC, CD, dual airbags, Bose stereo, lthr, sunroof, emerald, 102K mi, excellent condition, \$8000 or BO. 510-883-9929

1989 - Honda Accord LXI. 170K miles. A/C, sunroof, cassette. Black. Paint not good, but the car runs great. Clean. \$2500 OBO. 925-454-9627

1985 - Honda Accord, original owner, clean, 5 speed, gray, air, 143K mi., very good condition, \$2800. 925-462-2197

1983 - Nissan Maxima-Fully Loaded-6 Cylinde-Auto Trans-to many extras to list. \$1,500 O.B.O. PAGER # 02852 209-464-1302

1996 - Acura TL3.2 Excellent condition, 88,000 mi., loaded,auto, leather,moon roof, silver,new tires. \$13,000 or best 925-846-0178

1995 - Chevy TahoeLT, 4X4, 2door, hunter green, 350 engine, 18mpg, leather, power locks/windows, well maintained, 78K miles, maintenance records, \$13,500. 925-828-7021

1993 - Mercury Sable GS, 66K miles, Auto 3.8L V6, one owner, Candy Apple Red, Great student/commuter car, \$4000 OBO contact Chris 209-836-3069

1986 - NISSAN Pulsar,Runs Great Low miles,\$1650.00 925-606-9974

1993 - Suburban 4X4, graduated custom paint, Runs/looks great, Towing, Low mileage, Electric extendable mirrors. You will be proud you purchased. 209-576-0217

1994 - Honda Civic EX Coupe, white with grey interior,AC, PD/PW, AM-FM cassette, good condition, 101K miles, \$5000 OBO 925-855-1921

1997 - Saturn 4-door, A/C, automatic, all-power sunroof, dark green, great MPG, great condition, 91000 miles, \$5000 obo. 209-814-1606

AUTOMOBILE ACCESSORIES

Camper Shell for Ford Ranger, Stockland, 6 foot bed, White fiberglass, very good condition, \$250 925-443-5549

BICYCLES

Bike trailer for towing 2 kids. Excellent condition. Safety features. Folds away for easy storage. \$200 or best offer. 209-832-0913

Boys mountain bike, small frame for 6-10 year old. Good condition. \$20. 209-832-1321

BOATS

Two - 1997 Yamaha Wave Ventures 760 1-Double Trailer with spare tire. Racket winches & tie downs. Not used for 2yrs, low hours, like new. \$9000.00 OBO (510) 276-1135

Hobie Cat 16ft. Light blue hulls with white/rainbow sails. No disappointments, ready to go, just add water. Cell eves. 805-451-4600

22ft.Cruisers Inc. Barnagat Camper mdl.Equiped with freshwater cooling,live bait tank. Excellent fishing boat. \$6.5k 510-881-5798

1990 Supra Saltaire Ski Boat: Imaculant cond, only 180hrs, 7.3liter, 23ft, tan&black, tan interior, sound system,trailer. 925-513-2785

ELECTRONIC EQUIPMENT

Original Playstation with controller, station connections and 2 games. \$80.00 925-373-6414

COMPLETE stereo system by KEN-WOOD. Like new!! Barely used!! GREAT DEAL...\$600.00!! 209-815-7920 209-832-3496

Reel-to-reel recorded tapes.1940-50s classic radio programs,others. All 24 for \$25. 925-443-1778

GIVEAWAY

Agapantha - purple flowers. 925-456-5874

Sofa, beige plaid, 7 feet long. Come and get it! 925-449-4669

HOUSEHOLD

Honey oak hutch \$500. 209-814-1606

Italian provincial bedroom set (dark green), double bed and headboard, 2 nite stands, triple dresser. Excellent condition. \$150 OBO. 925-846-3653

Roundabout Britax car seat, \$70. New Little Tikes art workdesk, \$35. Easel, blackboard/ whiteboard/ painting. \$20. 925-294-9022

Oak entertainment center -\$140, Oak bar stools (set of three)-\$25, large floral spray -\$15, brass lamp-\$20, duffel bag luggage set (4 piece)-\$25 925-606-0825

2000 GE Washer and Electric Dryer. Never used. \$300/obo 925-240-5930

COMPUTER DESK/STAND, compact, on castors, oak finish. Has 3 shelves, 2 pull out. \$25 or best offer. 925-447-2905

Antique solid oak dining table with 4 chairs \$200/obo; Steel 4-drawer desk \$50/obo. 925-634-7861

Novaplex Cable Box Descrambler w/ remote for Tracy area. \$200.00 OBO. 209-815-7920. 209-832-3496

Double mattress, box spring, & frame, \$50. 5 drawer dresser, dark stain \$50. 2 door, 2 shelf pine cabinet \$35. Excellent condition. 925-837-1770

Webber gas B.B.Q. Will take best offer. Call 925-447-7326

Floor fans \$8;Elec roasting pan w/cover, Sunbeam \$8; 2 compact Arvin space heaters, unused \$8 925-443-1778

Queen size colonial bed: maple finish, with box spring and mattress. \$100.00 OBO 925-455-1073

Solid oak entertainment center. 3 pcs. 9 ft long. Holds 36 in. T.V \$1200 Sectional sofa w/2 vibrating recliners & bed. Tan and pastels & oak. \$700 209-832-0988

Moving sale: Dk. green couch, \$350. Twin bed w/ bed frame, \$150. Twin oak headboard, \$50. Food processor, \$35. All in new condition. 925-455-4896

Desk, 8 drawers 54x24x30 \$50 - computer stand w/pullout keyboard and paper shelf 26x21x30 \$40 - located close to Lab 925-373-6492

Troy-bilt trimmer/mower, 6-hp walk behind. \$400 925-447-7751

Double bed - frame, mattress and box spring \$50.00 925-449-3609

Matching Loveseat & Sofa. Colors:Cream

& Beige. Great Condition. -\$500 Clothing Dryer \$75. 209-406-4086

Solid Oak California King Bed Frame \$500.00 OBO. Futon couch \$25.00 925-449-4887

Dimensin One Spa \$400;Rowing machine (exercise)\$150/offer. Glass display cases \$100/offer. Call evenings 925-736-5535

LOST & FOUND

Lost prescription glasses in black case 925-035-5004

Lost: Red/white/blue crystal American flag bracelet. Parking lot adjacent to Bldg. 411. Call 2-8966 or 455-9439.

MISCELLANEOUS

Two large table lamps. Brass and off-white. Stiffel Brand. Beautiful condition. \$60 each. 925-846-3653

White wooden arbor (archway) 36 wide, 24 deep, \$35. New Porter Cable air brad nailer, 1 1/4in, \$65. 925-294-9022

No longer taking BART and have unwanted & unused BART Tickets for sale. Please call after 5:00 PM. 925-640-9742

3 TL-15 Safes for sale \$750.00 ea OBO. New they sold for \$3000.00 ea. Leave message. 925-447-9353

SF 49ers vs. Kansas City Aug 10 and vs. San Diego Aug 28. \$58 (face value) per ticket. Upper reserved seating. 209-544-8540

ICOM IC-R-10 communications receiver. Brand NEW...only used TWICE!! Such a deal...\$525.00!! 209-815-7920. 209-832-3496

Great America ticket for sale: good for any day in 2002. \$20 209-599-5071

Conifers weeping blue atlas cedar tree, 13 yrs. old, also dwarf pine tree. Will take best offer. You dig up. 925-447-9661

Light fixtures, various: undercounter, desk, bed clipon, etc \$5-\$10; Hand calculators- Business Analyst, unused \$8; printing calculator \$5 925-443-1778

ABSOLUTELY BREATHTAKING Diamond Ring- 1C Full Cut Baguettes surrounding a 2.5C Pear Brilliant Cut center diamond. Appraised at \$24,950. Offer? 209-545-7906

Queen size Select Comfort air bed. Remote adjust with individual controls. Like new. \$250 209-832-0988

JennAire 30 in. 4 burner drop-in stove w/exhaust fan. Used, works great \$50 obo. New JennAire rotisserie attachment, never used \$75 obo. Near Lab. 925-373-6492

Muir Trail Ranch vacation. Wilderness, but not roughing it! We have several openings available for week of 6/22-29. 925-447-7751

Menis Sportcoat, Bella Nora brand, Navy color. Size 42. Worn twice, paid over \$250 at Nordstromis. \$50. 925-648-0671

Wolf Commercial tanning bed, Belerium S bulbs,20 bulbs, approx. 10 yrs old. Exc. condition, works great.\$1000 call eves. 925-823-7901

Hose for high pressure washer, 100ft, 50ft and 40ft. \$50.00 925-935-5004

GIANTS vs.PADRES 2 tickets for 6/26. AAA Club Level seats \$204 RD \$15-16. These are GREAT seats just past 1st base. \$200.00 925-516-9510

MOTORCYCLES

1996 - Yamaha Virago 1100,Shaft Drive, Fairing, Saddle bags Excellent condition \$3900 obo 510-881-5798

1978 Yamaha dt 175 enduro all orig. 4,900 mi excel. cond.700.00 925-443-2173

2002 - Harley-Davidson Fat-Boy motorcycle,1,500 miles. Excellent condition with many upgrades. \$19,500. 925-449-3248

1993 - Honda CBR 600 F2, 24,500 miles. brand new Dunlop 207 tires, new rear Fox Shock, front fork by LE, Silver/blk/red. \$3200 623-9052 or 925-

443-8191

MUSIC INSTRUMENTS

FENDER AMPLIFIER, Stage 112, 2-channel combo, 180RMS, solid-state with excellent overdrive sound. Amp in perfect condition. \$250 925-454-8874

PETS & SUPPLIES

Akita Pups for Sale - \$300 AKC 2Boys Avail. Now 209-833-3928

HELP! Two male kittens free to good home. Five weeks old. Found abandoned. 925-449-9078

RECREATION EQUIPMENT

Swingset/play yard \$300.1Sturdy wood play set with swings, trapeze swing, monkey bars, wave slide, sandbox and fort. 925-454-1881

SKYLON WAKEBOARD POLE, (FOR INBOARD BOATS) WITH RACKS FOR WAKEBOARDS AND SLALOM SKIS. BLACK \$375.00 925-754-6390

Cardio Glide total body motion/low impact with monitor for speed, time, distance & calories. Like new Pd \$200, asking \$100 OBO. 925-606-5699

Windsurfing equipment, two complete sets, one ideal for beginner. Priced to sell. 925-447-3619

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.lnlnl.gov/tsmp>.

Modesto - Have opening for 1 rider during July and August. Meet at Crossroads Mall Kansas/Carpenter. Leave 6:40 am and leaves Lab 4:45 pm \$115.00 mo. 209-576-0217, ext. 2-7459

Orinda - Carpool from Lamorinda seeks 4th driver/rider. Meets near St. Stephens & Hwy 24. Lab hours 8:10am - 5pm. 925-253-0498, ext. 2-9823

Manteca - Looking for vanpool 6:30-7:00am/3:30-4:00pm 209-825-1580, ext. 4-5861

Ceres/Modesto - 14 psgr Enterprise deluxe van, 7:00-3:30, \$115/month- Tim 209-537-0229, ext. 3-6631

SERVICES

In home licenced adult day care, Livermore area only. Please call for availability. 925-449-3776

House Painting - Over 16 yrs experience. Call for free estimate. 209-956-3718

Wedding Photography: over 20 years exp. Medium format cameras used and you keep the negatives. Reasonable prices. 925-829-1474

Local Contractor available (across the street from LLNL). Competitive pricing. 925-292-9000

SHARED HOUSING

Livermore - Room for Rent in my 4br 2 bath home, Quiet neighborhood, \$600 month plus \$600 deposit, includes Utilities. 925-449-7664

Livermore - Furnished room in 3 bd house 3 miles from lab. \$550 plus deposit includes utilities and privs, N/S, N/P. 925-371-0951

Livermore - Available - One bedroom apartment, one-bath, quiet unit (no pets or kids), very reasonable rent price. Landlord prefers lab employees. 925-275-9598

TRUCKS & TRAILERS

1969 - Chevy C20 3/4 ton longbed 81k orig. miles 350 motor 4 spd manual kept in family great work truck for hauling landscape stuff \$2000 obo 925-321-0741

1989 - Snug Top for S-10 pickup 5ft 3in X 6ft 4in, gun metal gray with all hardware. Best offer. 925-846-3592

1997 - Dodge Ram 1/2ton, 4X4, club

cab, short bed, low pkg,cruise control, pwr locks/windows. Loved this truck, we upgraded to a larger size. \$14,500/OBO 925-606-1972

1998 - GMC Yucon SLT 4wd tow package, excellent cond.71k 18,000.00 OBO 209-823-7280

1985 - Chevy Suburban (diesel)90K mi. Needs some work. \$1500 or BO. 209-956-3718

1999 - FOR SALE: Short-bed bed liner for 1999 Chevy Truck (Silverado). \$200.00 OBO. Contact 209-815-7920 or 209-832-3496

2000 - Ford Ranger Stepside Sport. 4cyl. 5spd. 16K miles, CD player, A/C, dual airbags, chrome wheels, sliding rear window, trailer hitch. Sharp. \$10,500. 925-556-9282

1982 - Ready for Summer fun? Tioga 23ft class C motorhome, lots of options, very low miles, great floorplan, new tires, recent registration-\$7995 209-832-4314

2000 - Ford F250, power stroke, short bed with extra cab, manual transmission with 29,000 miles, \$26,500 or best offer 925-961-9799

1997 - F-150 SuperCab, Lariat, 3-door, Short Bed 5.4L V-8, Auto A/C, Cruise, Leather, Power seat, windows & locks, ABS, and more. 90K \$13,500 925-833-6061

1989 - Mazda truck, 5 speed, runs well. \$1600. 209-823-7623

1989 - Dodge Dakota, 3.9L V6, longbed, campershell, 112k, PL, AC, alarm, CD, smog, recent service, new shocks, \$2700 925-455-4846

VACATION RENTALS

Soda Springs/Donner Summit, Classic A frame, 2BR/1BA+Loft, sleeps 8, close to biking, hiking, everything. \$200 wknd,\$500/week call for availability 209-836-3481

MAUI-Kihei-1,2&3 bedroom condos. On beach, large pool,tennis courts,BBQ pits. Beautiful grounds,putting green,jacuzzi,washer/dryer in units. 925-846-8405

Kailua-Kona, HI - 2 bdrm, 2 ba Condo on Alii Dr. newer unit, nicely furnished w/ air cond. \$1800/month until December, 2002 925-833-6061

Muir Trail Ranch vacation. Wilderness, but not roughing it! We have several openings available for week of 6/22-29. Call for details. 925-447-7751 925-447-7751

HAENA, KAUAI - - Private house and/or studio on the scenic north coast near Hanalei Bay - this is the real Hawaii! House-\$125/day, studio-\$75/day 831-479-3441

Cabo San Lucas, Mexico - Timeshare-6/7/02-6/14/02, \$500, on the beach, www.cabovillas.com, Solmar hotel 209-612-1668 209-825-5687

WANTED

Single cylinder engine, e.g. lawn mower, for educational purposes, running or not 925-443-5549

Need high voltage power supply operation manual and/or schematic diagram in order to repair my old Fluke 415B. Will buy or copy. 925-829-4124

Dual cassette deck, recording both channels. OR Am-Fm receiver with dual cassette, recording both channels. 925-443-1778

3/4 size violin for school music lessons for rapidly growing student. Would like to borrow or rent for 6 months. 925-243-1203

WANTED: Livermore High School grads, classes of 1982 and 1983 for combined reunion on 8/17/02. 925-294-9229 or 925-443-5890

Drafting Table, electronic/adjustable, good condition, reasonable price. 925-373-6492

I need an old basket type wine press for a county fair exhibit. I need to borrow the press from 5-31-02 to 7-1-02. Thanks 209-543-6677

Spa, portable type, 110v/220v, 6ft or 7ft max, less than 7yrs old, aft. 6pm 209-832-2056

BRIEFLY

Survey on Lab's travel services

Calling all Lawrence Livermore National Laboratory travelers and travel arrangers: Business Services needs your help to improve the travel services you receive. If you have traveled or arranged travel within the past year using TQ3 Maritz Travel

Solutions, please click on the internet link at <http://www.travelhq.com/register/corptrvl/b/index.htm?code=LLN010603> and complete the online travel satisfaction survey. The survey is brief and should only take approximately three to four minutes to complete. Please submit your feedback by Friday, June

14, to ensure your responses are included in the results. Results will be reported to the Lab and TQ3 Maritz Travel Solutions so improvement plans can be made and good performance recognized. For more information, call Sarita Evans, 3-1485.

Council offers ways to steer teens toward safe driving

The National Safety Council turned the headlights on teen drivers this week as it launched its annual National Safety Month safety awareness program. Safe driving is one of four weekly themes unfolding in June as the Council attempts to increase public awareness of the need to improve safety on the nation's roadways, at home and in the workplace. This week — Driving Safety Week — the council urged parents to help their teens become safe and responsible drivers, noting that while teens make up less than 7 percent of the nation's licensed drivers, they are involved in 14 percent of all fatal crashes. The council observed that 65 percent of teen passenger deaths occur when another teen is driving. Statistics from the National Highway Traffic Safety Administration show that 6,390 youths, aged 15-20, died in motor vehicle accidents in 2000. Of that number, 64 percent were not wearing seatbelts. The focus on teens and traffic deaths came on the heels of a survey released in late May that showed that 22 percent of young drivers said they "never" wear a seatbelt and 41 percent declared they only

wear a seatbelt "occasionally." The survey was conducted by SADD, Inc. (Students Against Destructive Decisions/Students Against Drunk Driving) and Liberty Mutual. According to John Conners, a Liberty Mutual executive, "Motor vehicle accidents remain the number-one killer of young people in America, and it is alarming to see such high incidents of neglect when it comes to wearing a seatbelt." Added SADD CEO Stephen Wallace, "Our data shows that we still have much to do in the area of seatbelt safety education for teen drivers." As part of its safe driving campaign, the council also focused its attention on child safety seats. According to the council, safety experts estimate that "between 80 and 90 percent of child safety seats are installed and/or used incorrectly." The council urged parents to educate themselves on the correct use of safety belts and safety seats and to encourage their teens to buckle up. Another council concern is auto accidents caused by distracted driving. In fact, distracted driving was spotlighted in a

week of daily safety messages from the council, ranging from Monday's, "A distracted driver is a dangerous driver," to today's, "Fatigue on the road can be a killer; Safe driving demands your full attention." Next week, the National Safety Month focus shifts to safety at home and in the community. The emphasis is on the need to reduce the incidence of falls, which the council says, caused or led to more than 15,000 deaths in the United States last year. Individual and Organizational Preparedness will be the topic June 16-22, the third week of National Safety Month. During this week, the council will emphasize the need to develop personal and workplace emergency preparedness plans. Finally, National Safety Month concludes by stressing the need of workers at all levels of an organization to become safety leaders and help cut the staggering number of disabling injuries on the job (estimated at 3.9 million in 2000). Says the council: "Safety leadership is the key to keeping your organization and its employees safe and healthy both on and off the job."

ISM X-FILES / by John Maduell

Sponsored by the LLNL ISM Rollout Implementation Team

Avoid distractions (such as cell phone use) when driving

This scenario was taken from Lab Lesson Learned files. Traffic safety experts nationally and at LLNL are concerned about distractions involving cell phone use that lead to accidents.



Safety Concern

The Director of Traffic at the American Automobile Association estimates that driver distraction is the root cause of 25 to 50 percent of all motor vehicle crashes in the United States.



Don't talk and drive

Whenever possible, do not operate a cellular phone while you are driving.



Cell phone use tips

- If you must talk while driving, use a hands-free microphone or an installed mounted device with a speakerphone accessory.
- Place your phone within easy reach, so you can grab it without taking your eyes off the road.
- Suspend conversation during hazardous conditions.
- Do not take notes or look up phone numbers while driving.



ISM
Continued from page 1

arrive on June 10," ISM spokesman Rex Beach said, "and they will look at the work we do, the planning, and the documentation that is required by the ISM process." Since the audit is Labwide, most directorates will be contacted in some manner during the DOE team's stay. ISM was first introduced at the Lab in October 1999, when it also underwent a Phase I verification. The Lab's last major ISM review was in September 2000, and "since then, we've been doing some improvements and upgrades,"

Beach said. As Beach explained, audits typically occur about every 18 months. "If you're doing well, you can go 24 months between audits. If you didn't do well, you might go 12 months between audits," he said. "Each of the 25 auditors has an ISM topic to focus on," Beach explained. "The team was here in April on a scoping visit, working with Lab personnel to find key people to interview." In addition to examining daily implementation of ISM, auditors will examine the safety management system, performance of the core functions, environmental protection, essential system functionality, and emergency manage-

ment. "Information has been distributed to all associate directors to pass on to their directorates," he explained. "We have also developed a series of flyers and brochures to remind people about the safety process." The audit team is expected to report its findings in August, following an analysis of the data collected. "What's important is seeing effective and efficient integration of ISM into our workplace," Beach said. Questions concerning details of this audit should be directed to Larry Pendexter in the Assurance Review Office, 3-2799.

Horsin' around at the Livermore Rodeo

Three Lab riders signed up to compete in the annual Livermore Rodeo Team Penning event held Wednesday night as a prelude to rodeo weekend. From left are AD Den Fisher of Safety, Security & Environmental Protection, Tom Reitter of New Technologies Engineering Division and vice mayor of Livermore, and AD Dona Crawford of Computation. Each was part of a three-member team that attempted to round up two calves in the rodeo arena and herd them into a small pen at one end. Reitter's team was successful in getting a calf corralled and resulted in a third-place plaque for himself and teammates Herman Delgadillo and Amy Gravel. The rodeo is held at Robertson Park at 2 p.m. this Saturday and Sunday. The rodeo parade starts at 10 a.m. on Saturday along Second Street.



PHOTOS BY JULIE KORHUMMEL/NEWSLINE



ANASTASIO

Continued from page 1

scientific adviser at the Department of Energy, providing advice to senior members of the department on a variety of SSP issues.

"Michael Anastasio is an exceptional appointment as director of the Lawrence Livermore National Laboratory," said Gen. John A. Gordon, administrator of the National Nuclear Security Administration. "I have the highest confidence in his leadership in helping our nation create the technology so necessary to advance security during this crucial time in our history. Mike has demonstrated an understanding of the importance of our national labs working in collaboration with each other, and provides continuity for an already exceptional team at Livermore as it marks its 50th year of contributing to science in the cause of security."

"The University of California has made the right choice with Dr. Michael Anastasio as the new director of Lawrence Livermore National Laboratory," said Rep. Ellen Tauscher, whose district includes the Lab. "Mike's experience as a renowned hands-on scientist and as a special scientific adviser at the Energy Department's headquarters make him uniquely qualified to lead the lab into its next half-century of unparalleled excellence in scientific achievement."

In nominating Anastasio, Atkinson was advised by a committee of Regents, research scientists and research administrators, which in turn was advised by an application screening committee consisting largely of the scientific leaderships of the Livermore laboratory and several UC campuses.

"I am honored to accept this appointment," said

Anastasio. "I have spent nearly 22 years at Livermore and I feel enormous pride in this institution and the people who work here. As Livermore is among the nation's top scientific institutions, we must continue to make innovative contributions to advance national security and all areas of science and technology.

"I will continue our strong collaborations with the other national laboratories and with the Department of Energy and National Nuclear Security Administration, and the University of California to meet the exciting challenges that await us."

In a short televised address to employees following Atkinson's announcement and during a press conference Tuesday afternoon Anastasio said his challenges will be the continuation of the Lab's various missions, including stockpile stewardship and technologies to assist counter-terrorism. He plans to spend the next few weeks meeting with the Lab's various organizations and a cross section of employees. Sometime next month he hopes to deliver a list of priorities for the months and years ahead

Anastasio emphasized employees are the "heart and soul" of the Lab and said one of his priorities will be to maintain the caliber of workforce that has allowed the Lab to deliver on its many challenges over the years. Anastasio also thanked outgoing director Bruce Tarter for his leadership of almost eight years, a tenure second only to Roger Batzel.

Tarter, who accompanied Anastasio and Atkinson to the press conference, joked that the appointment of a new director was a moment he'd been looking forward to since announcing his decision to step down in December.

"Mike is a splendid choice for director," Tarter said. "He has a sense of the people and the place that are special qualities that will be invaluable his new

role."

Anastasio began his career at the Lab in 1980 as a physicist in B Division, one of the two nuclear weapons design physics divisions. He later was named leader of the division before serving as associate director for defense and nuclear technologies, responsible for all activities in the laboratory's nuclear weapons program. In that capacity, he was instrumental in the development and execution of the national Stockpile Stewardship Program.

For the last year, Anastasio has been the deputy director for Strategic Operations, responsible for all Laboratory and national security operations.

Anastasio graduated from The Johns Hopkins University with a bachelor's degree in physics. He went on to the State University of New York at Stony Brook, where he earned his master's degree and Ph.D. in theoretical nuclear physics. He is the recipient of the 1990 DOE Weapons Recognition of Excellence Award for technical leadership in nuclear design. The award acknowledged Anastasio's outstanding theoretical and experimental contributions to understanding boost physics.

Anastasio and his wife, Ann, are residents of Livermore. They have two daughters in college, Alison and Alexandra. A sports enthusiast, Anastasio also plays the cello.



REGENTS

Continued from page 1

the Superblock, the National Atmospheric Release Advisory Center, as well as the construction sites for the Terascale Simulation Facility and the International Security Research Facility.

The Livermore meeting will begin with a public comment session at 8:30 a.m. Reserved parking is available at the Credit Union/Public Affairs entrance to the laboratory off Greenville Road.

The general public and the media are invited

to attend the opening of the meeting and the public comment session. Anyone wishing to address the Regents during the public comment session may register at the meeting before the start of the public comment session. Speakers should direct their comments to matters on the committee's agenda.

However, members of the public and news media who wish to attend the other portions of the meeting that are open to the public (see agenda) must be badged. Only U.S. citizens will be badged. For a complete agenda, see the Website at <http://www.ucop.edu/regents/regmeet/june4.pdf>

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